Bio-Pyramid・MBPLED

User's Manual.

○ Standard Accessories

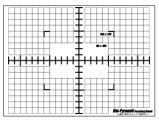
Console

φ52mm sleeve

Filter Tray

Above are built-in parts.

ALSC-56 acrylic filter
SC-58 *
SC-60 *
* Gelatine Filter
75mm square



Focusing Sheet
for manual focus

Digital camera ⇔ φ52mm
Connecting ring adapter
(for compatible
models only)

Install a variety of cameras to φ52mm sleeve with designated Ring-adapters. If camera is incompatible with any ring-adapter, please try Universal Super Mount (*sold separately)

○Install camera and filter

Camera

First, Install a conversion lens adapter (sold separately) to camera. Second, attach the ring- adapter to conversion lens adapter. Third, install on console.

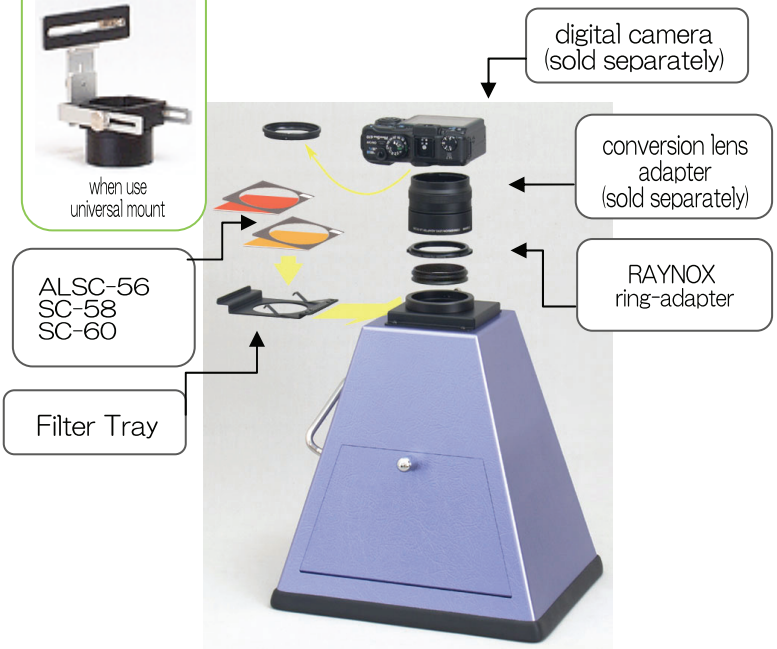
Filter

When you use a glass filter, install onto φ52mm sleeve. When you use a gelatin filter, slide and place it on the filter tray.

Universal Super Mount

First, install a camera to super-mount. Second, install above parts to φ52mm sleeve, and adjust position of camera accordingly.

when use
universal mount



Next page
setting and operation instruction

○Instruction… ★ mark is **important**

Following the User's Guide, set your camera manually as described below. It is difficult to capture high quality images with full automatic since gel documentation takes place in a darkroom environment.

* Please select [P (program auto)] or [M (manual)] for shooting

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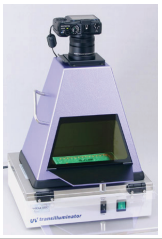
Set up

After installing filter, set up Bio-Pyramid on the UV Transilluminator. Place Transilluminator in a way that Transilluminator's surface is covered by hood.



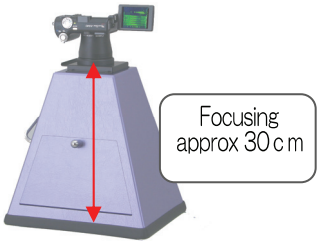
Adjusting Zoom

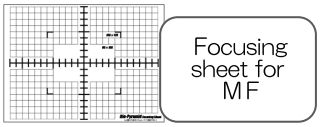
Adjust camera zoom for the shooting range you desire.

★ Please note when zoom is too high,
image will be out of focus on close range

★ **Focusing**

Set macro shooting mode when using auto focus.
Use manual focus when it is hard to focus with Auto focus
(Some cameras are not equipped with manual focus)
Place focusing sheet on transilluminator to focus when using manual focus. Fluorescence agent applied to the focusing sheet would radiate when subjected to UV.

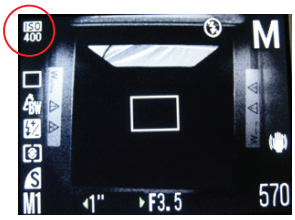




★ **Setting the ISO speed**

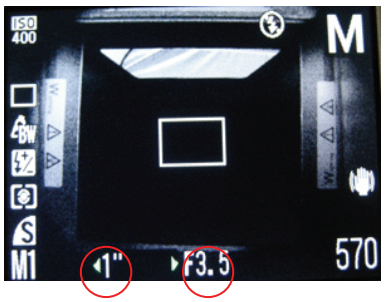
Since it is a dark room environment, high ISO speed is preferred. However, raising the ISO speed to the MAX would result in objects appearing coarse and blurry. Therefore use second or third ISO setting.

EX)



★ **Adjusting the brightness (exposure)**

When camera is only equipped with auto mode, set mode dial to "P" and adjust exposure by pressing [+/-] button ([+] for brighter, and [-] for darker picture). When camera is equipped with manual mode, firstly turn mode dial to "M" and set F number to minimum. Secondly set shutter speed at 1 second. If image still looks dark, set longer shutter speed, and if image is too bright set shorter shutter speed. ★ **Notice : When you set it too bright, sometimes background will be captured along.**



Flash

Shoot with flash turned off.

Image stabilization

When captured image is unstable and shaky, please consider using the self-timer for shooting.

B/W (black and white) setting

Gel documentation prefers shooting with B/W setting.

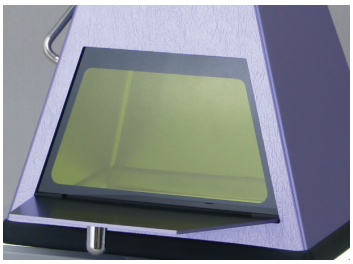
B/W setting gives you higher contrast and makes it easier for observation.

Registering Shooting Setting.

Most cameras that are equipped with manual mode allow the user to register commonly used shooting modes and setting.

Large size observing window(with UV shield filter)

Transmittance of UV is less that 0.1%. It eliminates most harmful UV rays. ★ However, even with UV shield, there are still small amount of transmittance. Therefore, please avoid observing continuously for long period of time.



Bio-Pyramid : Specification	
◆ Maximum shooting area	265mm×205mm(= interior dimension * May vary, depends on the camera.
◆ Shooting range Include φ52mm sleeve With super mount	310mm 350mm～360mm ★NOTICE : Please select the camera that can be focused to shooting area within these ranges.
◆ Filter Glass filter Gelatin filter	Use φ52mm Use 75mm square filter
◆ Viewer window UV shield filter Transmittance range (220~450nm)	MAX 0.09% Average 0.02% (measured, not guaranteed number)
◆ Size	W287 ×D227mm (=Hood External Dimensions) H 310mm (include camera mounting part) H 415mm (include super-mount)
◆ Weight Body/Super-mount	1040g / 200g